IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Eugenio Mannella	Group Art Unit:	3676
Serial No.:	10/797,884	Examiner:	Barrett, Suzanne Lale Dino
Filed:	March 10, 2004		
Title:	UNIVERSAL LOCK CYLINDER		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER RULE 1.131

I, David L. Wisz, state as follows:

1) I am a patent attorney Registration No. 46,350, at all times representing Applicant NEWFREY LLC, of 1207 Drummond Plaza, Newark, Delaware 19711, U.S.A in the above-referenced application, and responsible for its preparation and filing.

2) I have reviewed the disclosure documents and correspondence with the client concerning the above-referenced application in preparing this Declaration.

3) The invention of the above-referenced application was conceived and reduced to practice by the inventors on a date before the effective 35 U.S.C. 102(e) date of US Patent No.: 6,644,076 to *Huang*, which claims a filing date of May 2, 2002. Exhibit A attached to this Declaration is a copy of an invention disclosure documents which are dated May 31 2002. Although the date which the invention disclosure was prepared was 28 days after the effective 35 U.S.C. 102(e) date of US Patent No.: 6,644,076 to *Huang*, the invention was first conceived, explained to others; first drawings created; and a first written description drafted prior to the 35 U.S.C. 102(e) date of US Patent No.: 6,644,076 to *Huang*. The particular dates of these particular events have been redacted, but I have looked at these dates and all of the dates are prior to May 2, 2002.

4) I was informed of the decision made to prepare and file a patent application by NEWFREY LLC. Diligence was maintained throughout the preparation and filing of the application. The subject application was filed on March 10, 2004. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: October 31, 2005

DAVID L. WISZ

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BLACK&DECKER
Hardware and Home Improvement Group

KWIKSET CORP.
INVENTION DISCLOSURE

Docket No.: 5706-03
(Inventor to Leave Blank)

Location: Lake Forest, CA

Document Origination Date: [redacted]

TITLE OF INVENTION: New Round Spindle/Plug Cam Drive

THE INVENTOR(S):

1) **Eugenio Mannella**

INFORMATION ABOUT MAKING THE INVENTION:

1. The invention was first thought of on or about: [redacted]
2. The invention was first explained to Steve Armstrong, Mike Winardi
   on or about [redacted]
3. The first drawing of the invention was made on or about [redacted]
4. The first written description of the invention was made on or about [redacted]

Please list all sales or communications of the invention to a customer, potential customer other third party of which you are aware and provide the name and date of said sale or communication:

Drawing files were submitted for quotation to Kwikset, Denison Plant, aroun[redacted]

If communication occurred, was a confidential agreement entered into? Yes ☐ No ☐

5. When will the first non-confidential disclosure be made? (Usually, this will be the field test.)

(Estimated date) [redacted]

INVENTION DISCLOSURE: (Attach additional sheets as necessary. If invention has already been drawn or sketched, please attach copies; if not already sketched, please provide a sketch on the attached sheet.)

1. Purpose of Invention: (Explain the result sought to be accomplished, difficulties to be overcome or eliminated, and advantages to be gained by the invention.)

The current design **Round-Spindle/Plug Interface** does not allow interchangeability in the Kwikset product line. This is resulting in a number of different Plug/Round Spindle configurations for Knobs, Levers and Deadbolts
As a result of this, Inventory, Production set up time and servicing time is increased.
The Clip holding the Torque Blade, in the Deadbolts, has history of breaking in service.

The new design will consolidate the **Round Spindle/Plug Interface** (FIG. 1) (for Knobs and Levers) resulting in reduced Inventory, Production set-up time and servicing time.
The **Torque Blade/Plug Interface** (FIG. 2) (for Deadbolts) now uses the blade body to transmit the turning torque therefore eliminating the Clip problem above.

2. Brief Description of the Invention: (Describe the machine, circuit, method, product or composition of matter that is the subject of this document. Attach sketches or diagrams as necessary. Be sure to describe the preferred form of the invention, but identify alternate forms where appropriate.)

The new Round Spindle/Plug Cam drive is using one plug for all models of Knob, Levers, and Deadbolts.
The Plug end (FIG. 3) has a reverse T shaped feature that allows engagements of the Round Spindle Cam (FIG. 4) in Knobs and Levers and the Torque Blade end (FIG 5) in Deadbolts.
In Deadbolts the Torque Blade (FIG. 5) uses its body to transmit the turning torque and is held in place by a Retainer (FIG. 6).

3. Distinctive Features: (How does the disclosed invention differ from earlier attempts to solve the same problem?)

The new design is unique in its interconnect configuration. The connection Plug/Round Spindle is reversed, from current design, that is, Female/Male Interconnect is now Male/Female Interconnect.

APPROVED BY: Edward J. Pilatowicz **DATE:** 5.30.02

KWIKSET CORP.
SKETCH

TITLE OF INVENTION: New Round Spindle/Plug Cam Drive

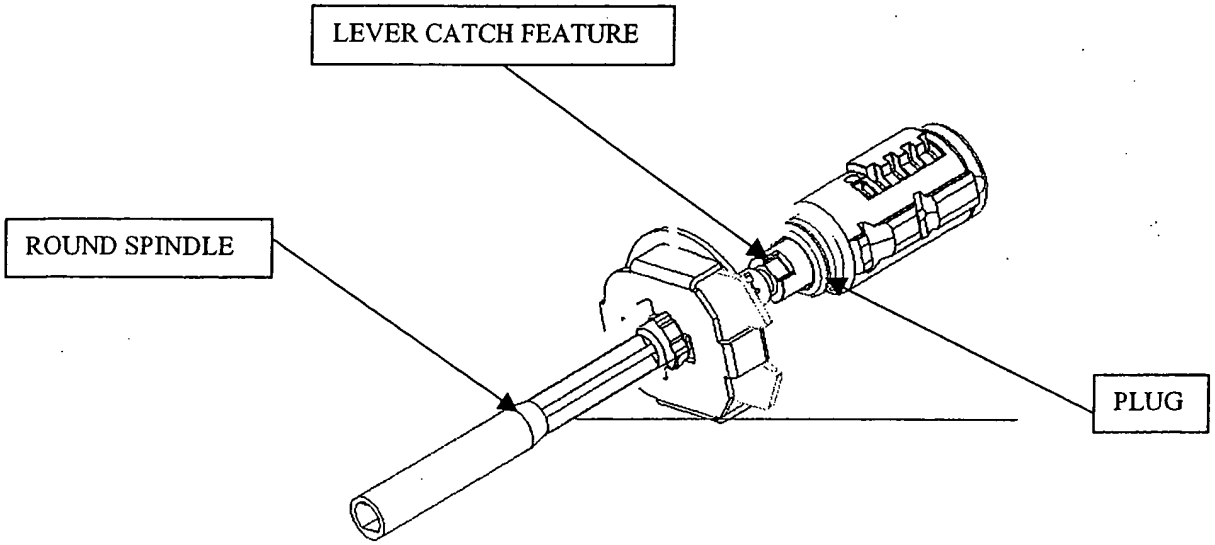

FIG 1

ROUND SPINDLE/ PLUG INTERFACE (KNOB/LEVER)

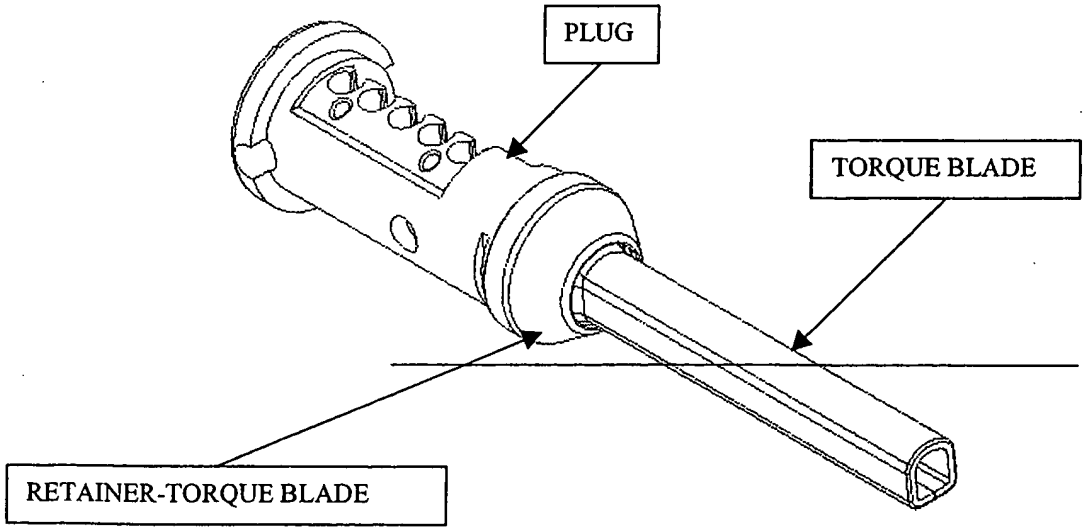

FIG 2

TORQUE BLADE/PLUG INTERFACE (DEADBOLT)

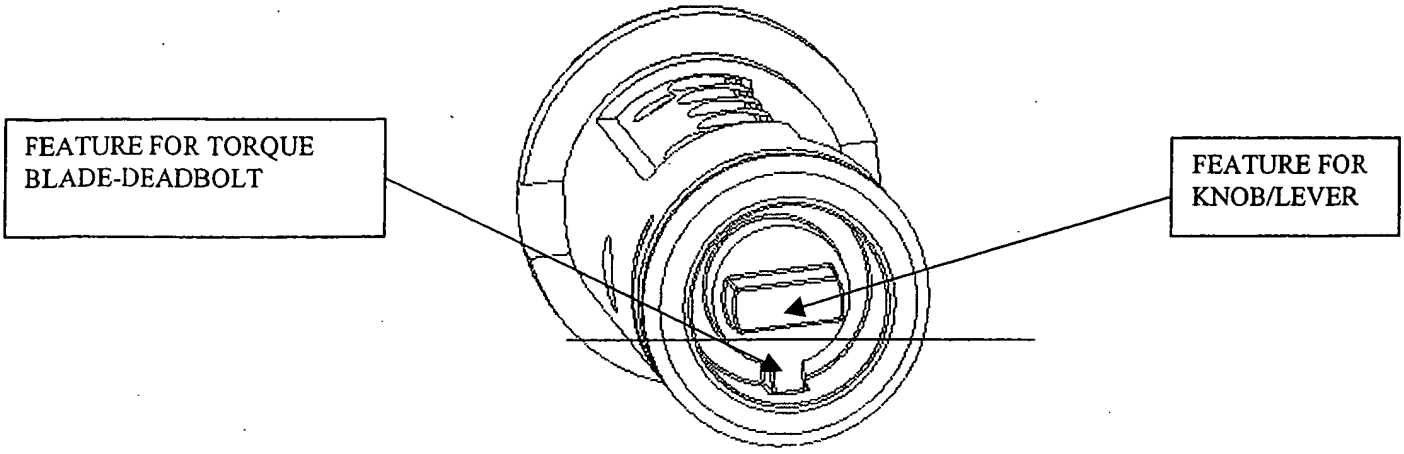

FIG 3 **PLUG**

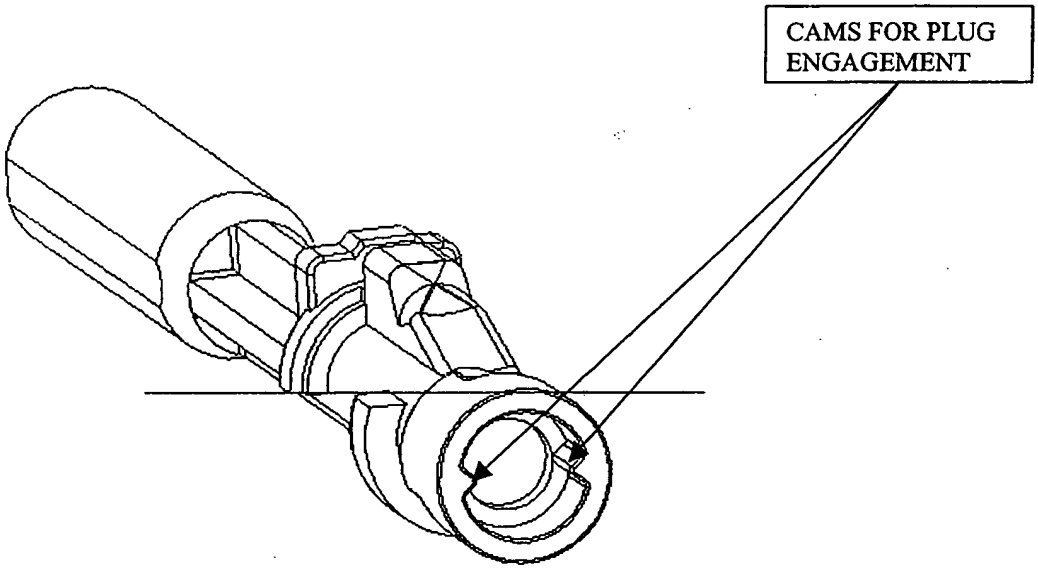

FIG 4 **ROUND SPINDLE**

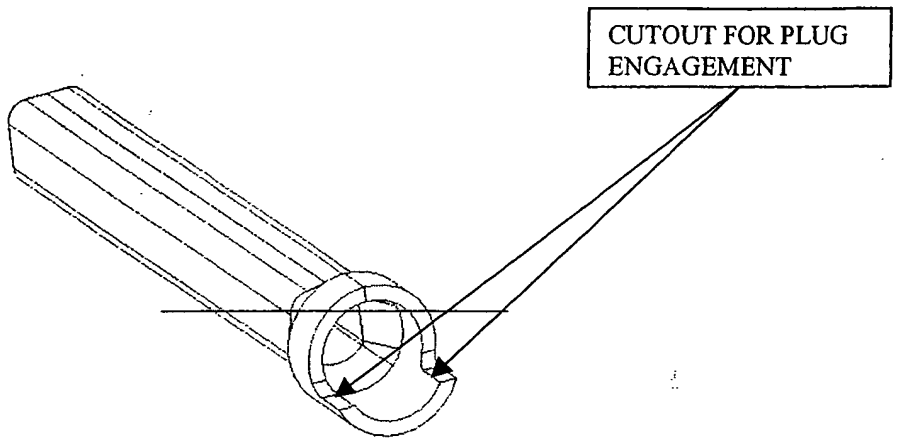

FIG 5 TORQUE BLADE

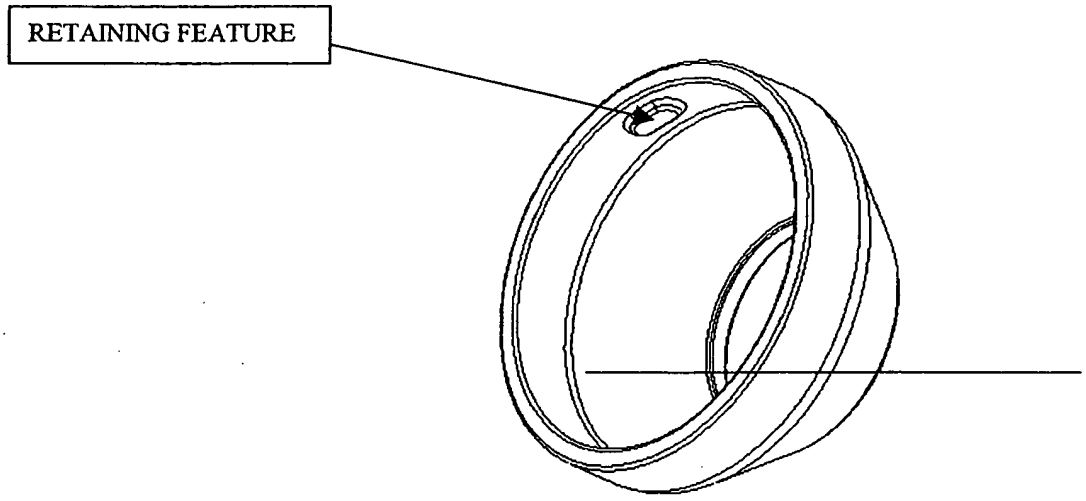

FIG 6 RETAINER-TORQUE BLADE